Let's make things better.

PHILIPS

IMPORTANT

Information for users in the UK *(not applicable outside the UK)*

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.

The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section entitled 'Tips' at the end of this booklet.

Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where they are being spoilt by interference.

If your dealer cannot help, ask at a main Post Office for the booklet "How to Improve Television and Radio Reception".

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

Connecting the aerial

The aerial should be connected to the socket marked ⊓⊢ at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.

Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

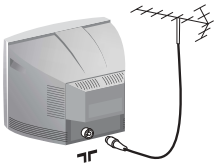
Fitting the stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand.

Never use a make-shift stand, or legs fixed with woodscrews.

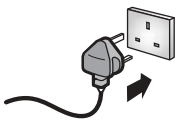
Installing your television set

❶



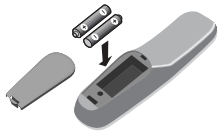
Insert the aerial plug into the ⊓ socket at the rear of the set.

❷



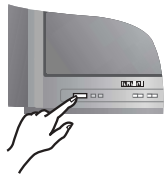
Insert the mains plug into a wall socket (220-240 V / 50 Hz).

❸



Insert the two R6-type batteries (supplied) making sure that they are the right way round.

❹

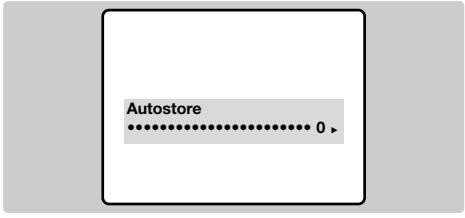


To switch on the set, press the on/off key. If the television remains in standby mode, press **P** ⊕ on the remote control.

Quick installation

Plug & Play

The first time you switch on the television, a menu appears on the screen and the tuning starts automatically.

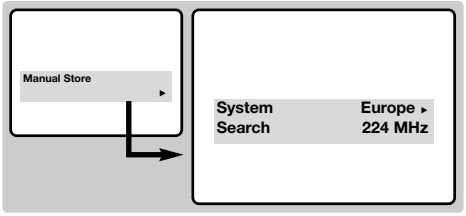


If the menu is not displayed, press and hold down the ◿- and ◿+ keys on the TV set for 5 seconds to display the menu.

All the available TV programs will be stored. This operation takes a few minutes. The display shows the progress of the search and the number of programs found. At the end of the search, the menu disappears.
The programmes found are arranged by number 99, 98, 97, …etc. You may now renumber these programmes as you wish. See Program sort below.
To exit or interrupt the search, press MENU.
If no programme is found, see Tips chapter at the end of the instruction for use.

Program sort

❶ Press key MENU. The Main menu is displayed on the screen.



❷ With the ⌃ key, select **Manual Store** and press ⌄.

❸ Use the 0 9 or −**P**+ keys to select the program you wish to renumber.
❹ Then use the ⌄ key to select **Program No** and enter the new number with the ⌃⌄ keys.
❺ With the ⌄ key, select **Store** and press ⌄.
❻ Repeat steps ❸ to ❺ for each program you wish to renumber.
❼ To quit the menus, press ⊞.

Remote control keys

Screen information
To display / clear the program number and time remaining for the sleeptimer. Press the key for 5 seconds to activate permanent display of the number.

VCR key *

Keys not used

Pre-set sound
Used to access a series of stored settings: **Voice**, **Music**, **Theatre**.

Menu
To call up or exit the menus.

Cursor / Format 16:9
These 4 keys are used to navigate through the menus. The ⌃⌄ keys are used to enlarge or compress the picture vertically.

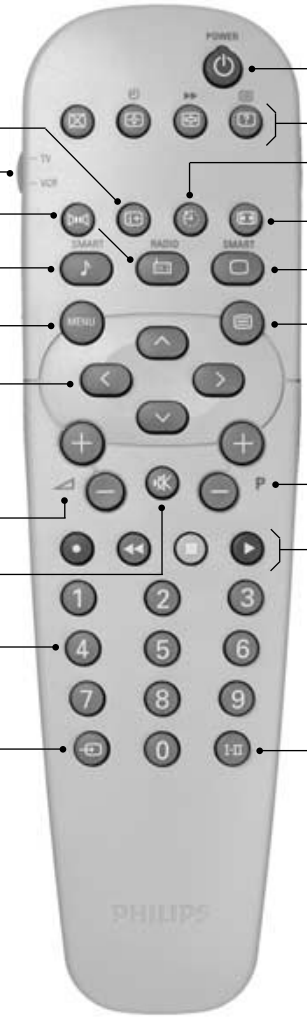
Volume
To adjust the sound level

Mute
To mute or restore the sound.

Number keys
Direct access to the programmes. For a 2 digit program, enter the 2nd digit before the dash disappears.

Selection of EXT socket
Press several times to select the connected equipment.

VCR key *
Press and hold down the VCR key, then press one of the keys to access the main functions of the VCR:
⏻ ⏱ ▶▶ MENU ⌃⌄ ‹› − P + ● ◀◀ ■ ▶ 0 9
The remote control is compatible with all VCRs using the RC5 standard.



Standby
Lets you place the TV set on standby. To turn on the TV, press P − +, ⏻, 0 to 9.

Teletext and VCR keys

Sleep
To select an automatic standby after a preset time (from 0 to 240 minutes).

16:9 format
To enlarge or compress the picture vertically

Pre-set image
Used to access a series of stored settings: **Rich**, **Natural**, **Soft**, **Multimedia** and return to **Personal**.

Teletext call

Program selection
To access the next or previous programme. The number is displayed for a few moments.
For some programs, the title of the program will be displayed at the bottom of the screen.

Teletext and VCR keys

Sound mode
Used to force programmes in **Stereo** (or **Nicam Stereo**) to **Mono** or, for bilingual programs, to choose between **Dual I** or **Dual II**.
The **Mono** *indication is red when in forced position.*

Teletext

Teletext call
Press the ▤ key to call teletext, change to transparent mode and then exit. The summary appears with a list of items that can be accessed.
If the channel selected does not broadcast teletext, the screen remain black.

Selecting a page
Enter the number of the page required using the 0 to 9 or − **P** + keys (always 3 digits). The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page.
If the counter continues searching, the page is not transmitted.

Direct access to the items
Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages.

Contents
Press ▤▤ to return to the contents page (usually page 100).

Temporary stop
Press ⊠ to temporarily disable or activate the teletext display.

Enlarge a page
Press ⊞ several time to enlarge the page.

Stop sub-page acquisition
Certain pages contain sub-pages which follow on automatically. Press ▤ to stop / resume the sequence.

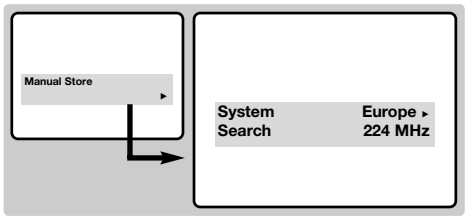
Hidden information (games solutions)
Press ? to display or hide the concealed information.

Manual store

This menu is used to store the programmes one at a time.

❶ Press the MENU key.

❷ With the ⌃ key, select **Manual Store** and press ›. Use the ⌃⌄ keys to select a setting and the ‹› keys to adjust. :



❸ **System:** select **Europe** (automatic detection*) or **West Europe** (BG standard), **East Europe** (DK standard), **UK** (I standard) or **France** (LL' standard).

** Except for France (LL' standard), you must select choice* **France**.

❹ **Search:** press ›. The search starts. Once a programme is found, the scanning stops. Go to the next step. If you know the frequency of the required programme, this can be entered directly using the 0 to 9 keys.

If no programme is found, see Tips chapter at the end of the instruction for use.

❺ **Program No.:** enter the required number with the ‹› or 0 to 9 keys.

❻ **Store:** press ›. The program is stored.

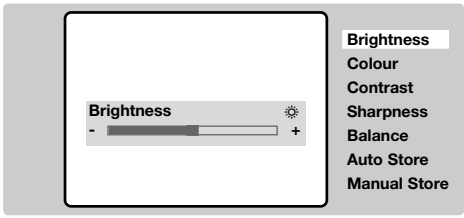
❼ Repeat steps ❹ to ❻ for each programme to store.

❽ To quit the menus, press ⊡.

Other settings in the menu

❶ Press the MENU key.

❷ Use the ⌃⌄ keys to select a setting and the ‹› keys to adjust. :

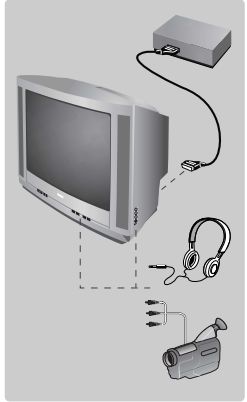


- **Brightness:** this changes picture brilliance.
- **Colour:** this changes the intensity of the colour.
- **Contrast:** this changes the difference between the light and dark tones.
- **Sharpness:** this changes the picture definition.
- **Balance** *(only available on stereo versions)*: this balances the sound on the left and right speakers.
- **Auto Store**: to start automatic search for all programmes available in your region. Then, you need to use the **Manual Store** menu to renumber the programmes (see p. 1).

  To quit or interrupt the search, press MENU.
- **Manual Store**: see top of page.

❸ To quit the menus, press ⊡..

Other functions



Connecting peripheral equipment

Use the euroconnector socket located at the back of the set or the front AV connections (when available). Certain versions are equipped with 2 euroconnectors EXT1 and EXT2.

To select connected equipment, press several times the ⊡ key.

Most equipment (decoder, VCR) carries out the switching itself.

Headphones socket *(only available on certain versions)*

When headphones are connected, the sound on the TV set will be cut.

The − ◿ + keys are used to adjust the volume level.

The headphone impedance must be between 32 and 600 Ohms.

The keys on the TV set

The TV set has 4 keys : VOLUME - + (- ◿ +) and PROGRAM - + (- **P** +). To access or exit the menus, press simultaneously the ◿ - and ◿ + keys. Then use the - **P** + and - ◿ + keys to select and adjust.

Tips

Positioning the television set

Place your TV on a solid, stable surface, leaving a space of at least 5 cm around the appliance. To avoid accidents, do not put anything on the set such as a cloth or cover, a container full of liquid (vase) or a heat source (lamp). The set must not be exposed to water.

Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, modify the orientation of the aerial.

No picture or no sound

Have you connected the aerial socket properly?
Have you chosen the right system? (p. 2).

Standby

If the set receives no signal for 15 mins, it automatically goes into standby mode. To save power, your set is fitted with components that give it a very low power consumption when in standby mode (less than 3 W).

Still no results?

If your TV set breaks down, never attempt to repair it yourself: contact your dealer's after-sales service.

Recycling directive

The batteries supplied with this appliance do not contain mercury or nickel cadmium. The materials used in your set are either reusable or can be recycled. To minimise environmental waste, specialist companies collect used appliances and dismantle them after retrieving any materials that can be used again (ask your dealer for further details).

Table of TV frequencies

EUROPE	
CHANNEL	FREQ (MHz)
E2	48.25
E3	55.25
E4	62.25
E5	175.25
E6	182.25
E7	189.25
E8	196.25
E9	203.25
E10	210.25
E11	217.25
E12	224.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	839.25
69	855.25

EASTERN EUROPE	
CANAL	FREQ (MHz)
R1	49.75
R2	59.25
R3	77.25
R4	85.25
R5	93.25
R6	175.25
R7	183.25
R8	191.25
R9	199.25
R10	207.25
R11	215.25
R12	223.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
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47	679.25
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52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	839.25
69	855.25

FRANCE	
CANAL	FREQ (MHz)
2	55.75
3	60.50
4	63.75
5	176.0
6	184.0
7	192.0
8	200.0
9	208.0
10	216.0
B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
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32	559.25
33	567.25
34	575.25
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53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	839.25
69	855.25

ITALY	
CANALE	FREQ (MHz)
A	53.75
B	62.25
C	82.25
D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
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H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
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57	759.25
58	767.25
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62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	839.25
69	855.25

English